Basic product line

10YDCO-PRO

Autonomous carbon monoxide (CO) detector Multifunctional digital detector with backlit LCD display and 10-year warranty on device and built-in battery



Electrochemical CO Sensor

- The second generation of electrochemical sensor with de-ionized water electrolyte does not contain ions that could affect the accuracy of the measurement or cause unwanted side reactions
- Provides reliable and accurate data on the concentration of CO in the monitored space and at the same time represents a device with stable performance and long service life
- Reacts only to a real threat

Battery Operation and Design

- Battery operation enabling quick and easy installation
- Guaranteed operating performance for up to a decade
- Integrated 3 V lithium battery (built-in, non-replaceable)
- The housing design allows for freestanding installation by placing the device in the optimal position on a horizontal surface

Environmental Function

- The backlit multifunctional LCD display in standby mode alternately displays the current room temperature and information on the humidity in the monitored space, thus allowing you to respond to dangerously low or high humidity or temperature conditions
- The temperature level display can be set based on preferences in degrees Celsius (°C) or Fahrenheit (°F)

Multifunctional Backlit LCD Display

- Highest measured value memory function
- Recording information about the highest measured CO concentration
- Temporary silence function
- Test function to verify correct operation of the detector
- End of life signaling

IZOVAX Protection

- The electronic components and the detector's printed circuit board are provided with an insulating and protective layer of varnish with IZOVAX nanoparticles for the possibility of installing the device in a wide range of working environments

Certification

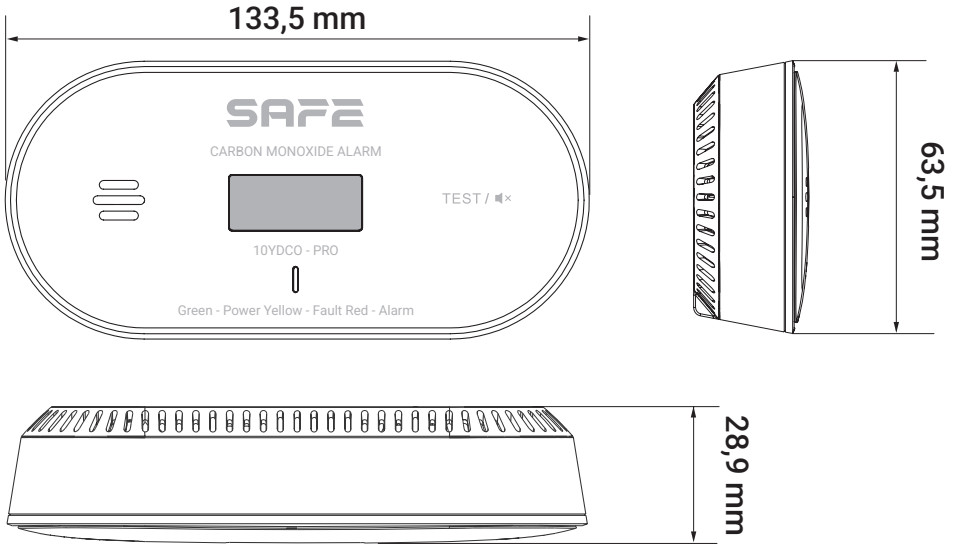
- SAFE 10YDCO-PRO carbon monoxide detectors have been independently tested by the accredited German laboratory TÜV as a fire safety solution meeting all required European standards for CO detection, including
- ČSN EN 50291-1:2018

Technical specifications

CO detection (carbon monoxide)	Electrochemical sensing technology
Device type	B
Microprocessor	AI SAFE with predictive algorithm
Display	Multifunctional backlit LCD
Environmental functions	Temperature and humidity display
Measurement accuracy	• Temperature: ±0.1 °C, • Humidity: ±1.5% RH
Alarm silence	Manual - with mute button
Silence time	9 minutes
Preset alarm value	• 30 ppm: 120 min • 50 ppm: 60 min - 90 min • 100 ppm: 10 min - 40 min • 300 ppm: <3 min
PCB protection	Insulating and protective varnish layer with IZOVAX nanoparticles
Power supply	3V DC, 1x CR123A lithium battery (non-replaceable)
Consumption	• Standby mode: ≤20 uA • In alarm: ≤20 mA
Battery life	10 years
LED indication	Alarm, operation and fault
Alarm	Red LED indicator
Operation	Green LED indicator
Fault	Yellow LED indicator

Alarm signaling	• Optical - three-color LED indicator • Optical - backlit LCD display • Acoustic - ≥85 dB at 3 m
Cover material	PC + ABS
Cover color	White
Protection degree	IP30
Mounting method	Wall mounted; on a horizontal surface
Operating temperature	-10 °C to +40 °C
Operating humidity	Up to 95% RH non-condensing
Storage conditions	• Temperature: -20 °C to +60 °C • Humidity: 5% to 95% RH non-condensing
Product dimensions	133.5 mm × 63.5 mm × 28.9 mm
Product weight	122 g (including battery)
Product packaging dimensions	45 mm × 80 mm × 135 mm
Product packaging weight	193 g
Carton dimensions	540 mm x 430 mm x 335 mm
Carton weight	20.1 kg
Number of pieces per carton	96 pcs
Certification	ČSN-EN 50291-1:2018 ČSN EN 50291-1:2018/AC:2021
Declaration of conformity	CE
Warranty	10 years (on device and battery)
EAN code	0703123018210

Product dimensions



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